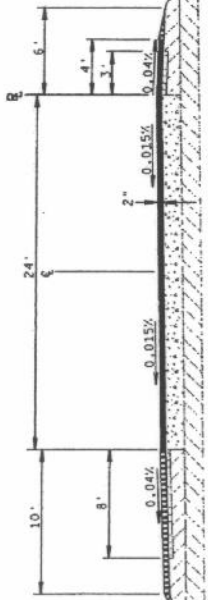
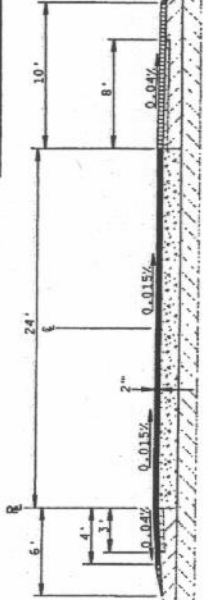


# **EXHIBIT 3**

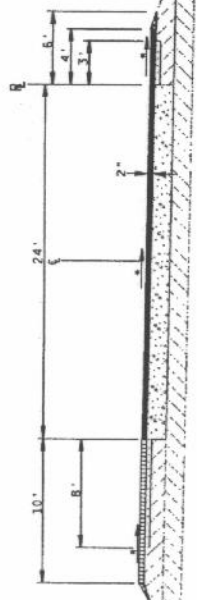
**(EXISTING AND PROPOSED  
TYPICAL SECTIONS)**



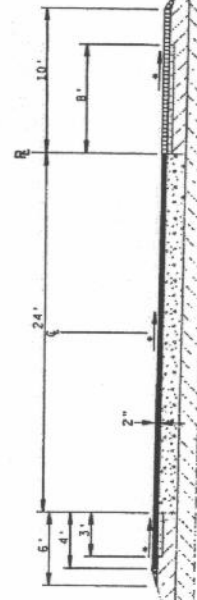
TYPICAL TANGENT SECTION (S.O. BOUND)  
SEG. 4 STA. 534+00 - STA. 750+00



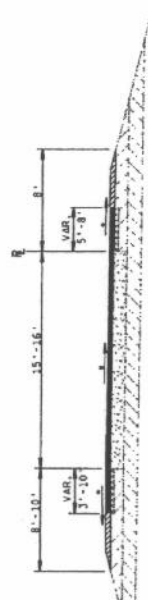
TYPICAL TANGENT SECTION (N.O. BOUND)  
SEG. 3 STA. 588+91 - STA. 750+00



TYPICAL SUPERELEVATED SECTION (S.O. BOUND)  
SEG. 4 STA. 534+00 - STA. 750+00



TYPICAL SUPERELEVATED SECTION (N.O. BOUND)  
SEG. 3 STA. 588+91 - STA. 750+00



TYPICAL SECTION (RAMP) N.B. \*  
\* ROTATE 180° FOR S.B.

LEGEND

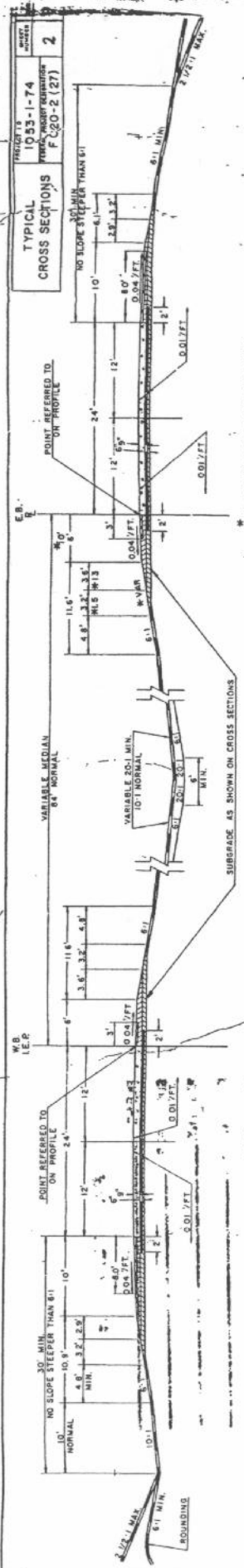
- ASPHALTIC CONCRETE PAVEMENT, TYPE HV
- ASPHALTIC CONCRETE PAVEMENT, TYPE LV
- CRUSHED AGG. BASE COURSE (SHOULDER)
- EXISTING CONCRETE PAVEMENT
- EXISTING CRUSHED AGG. BASE COURSE (SHOULDER)
- EXISTING CRUSHED AGG. BASE COURSE
- EXISTING ASPHALTIC SHOULDER

\* MATCH EXISTING SLOPE

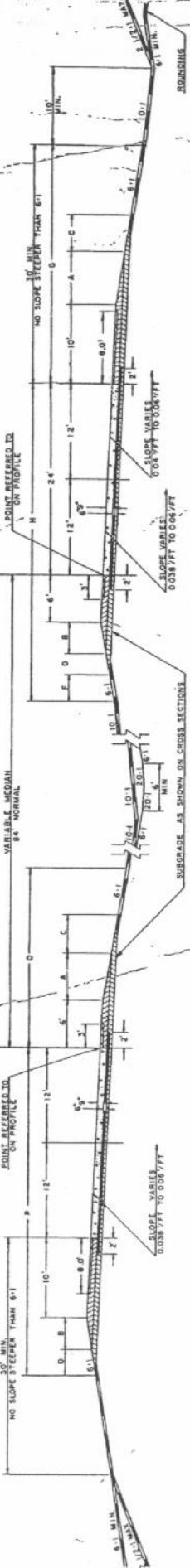
Existing USH 51 Typical Sections  
After 1999 Overlay

1999 Overlay





ULTIMATE SECTION ON TANGENT  
Existing STH 29

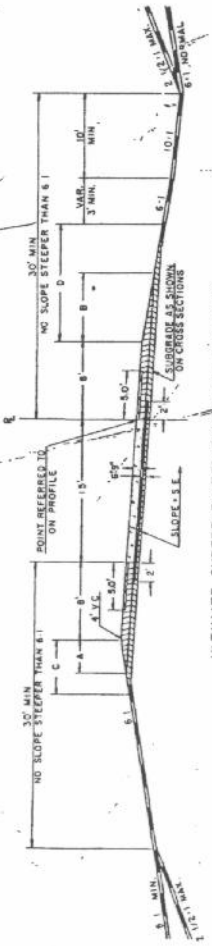


SUPERELEVATION TABLE

P.I. STATION	SECTION	S.E.	R.O.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
583+35.00 E.B.	10' 00' RT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' LT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' RT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' LT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' RT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' LT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' RT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' LT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' RT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
583+35.00 E.B.	10' 00' LT	0.0387%	200'	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7

NOTES:  
SUPERELEVATION RUNOFF COMPUTED WITH 2/3 OF TOTAL RUNOFF ON THE TANGENT AND 1/3 WITHIN THE CURVE OR AS NOTED ON THE PLAN

RAMP "SA" & "SO"  
Existing STH 29 Loop Ramp



ULTIMATE SUPERELEVATED SINGLE RAMP SECTION  
RAMP "SA" & "SO"

Existing STH 29 Loop Ramp

DEGREE	S.E.	A	B	C	D
2° 10'	0.0387%	3.7	3.7	3.7	3.7
2° 10'	0.0387%	3.7	3.7	3.7	3.7
2° 10'	0.0387%	3.7	3.7	3.7	3.7
2° 10'	0.0387%	3.7	3.7	3.7	3.7

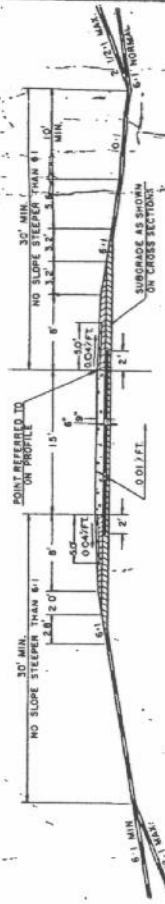
LEGEND

- PC CONCRETE PAVEMENT
- CRUSHED AGGREGATE BASE COURSE
- CRUSHED AGGREGATE SHOULDER
- 5" SHALLOWS TOPSOIL OR TOPSOIL (SEED & FERTILIZE)
- 1" COURSE
- 1" COURSE
- 1" COURSE

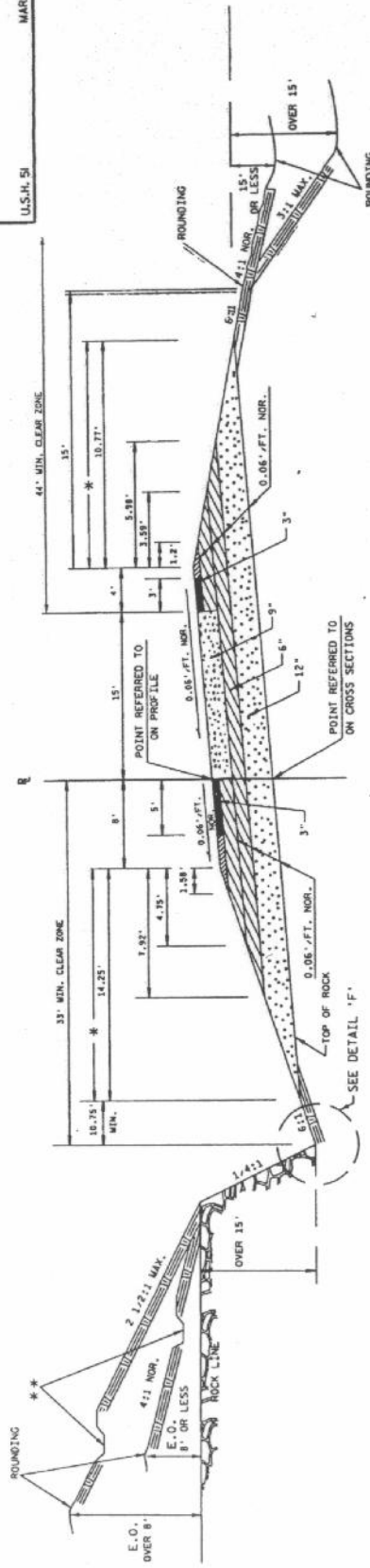


ULTIMATE SINGLE RAMP SECTION ON TANGENT  
RAMP "SB"

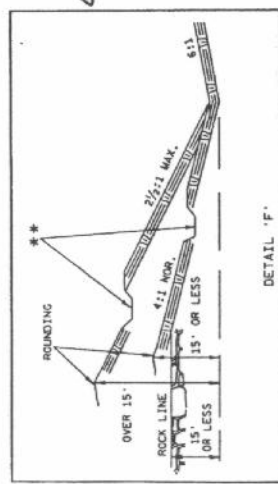
Existing STH 29 Loop Ramp



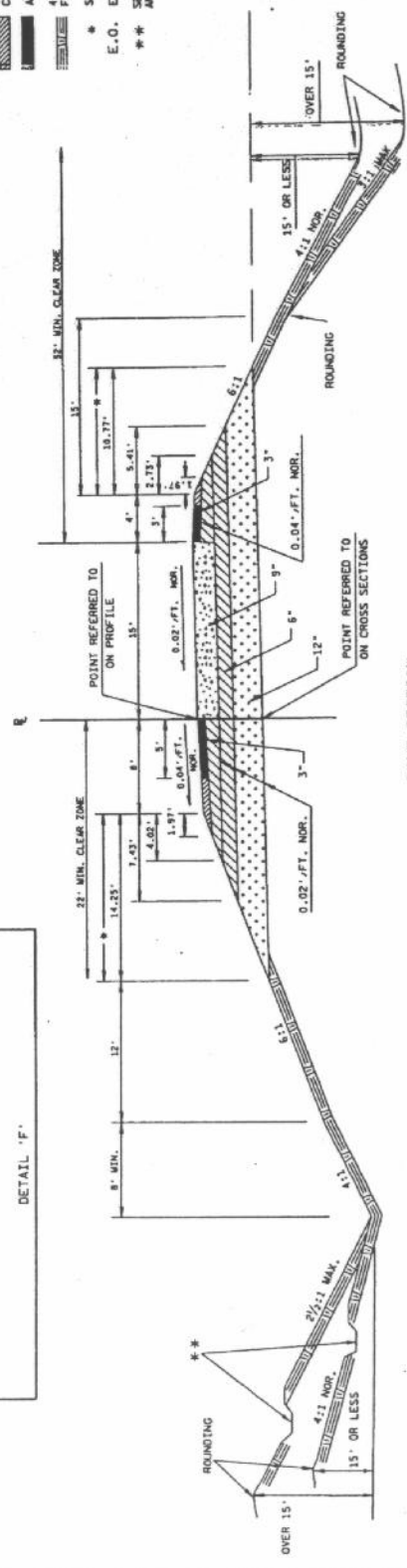




RAMP SECTION - ROCK CUT  
STA. 82+BC+96 TO STA. 86+BC+00  
*Existing Bridge Street Ramp*



- LEGEND:
- CONCRETE PAVEMENT (DOWLED AND TINED)
  - CRUSHED AGGREGATE BASE COURSE
  - GRANULAR BACKFILL
  - CRUSHED AGG. BASE COURSE (SHOULDER)
  - ASPHALTIC CONCRETE PAVEMENT, TYPE LV
  - 4" SALVAGED TOPSOIL, FERTILIZE, SEED & MULCH
  - E.O. EARTH OVERBURDEN
  - SEE GRADED RIPRAP DITCH DETAIL AND CROSS SECTION FOR LOCATION



RAMP SECTION  
STA. 86+BC+00 TO STA. 91+BC+81  
*Existing Bridge Street Ramp*















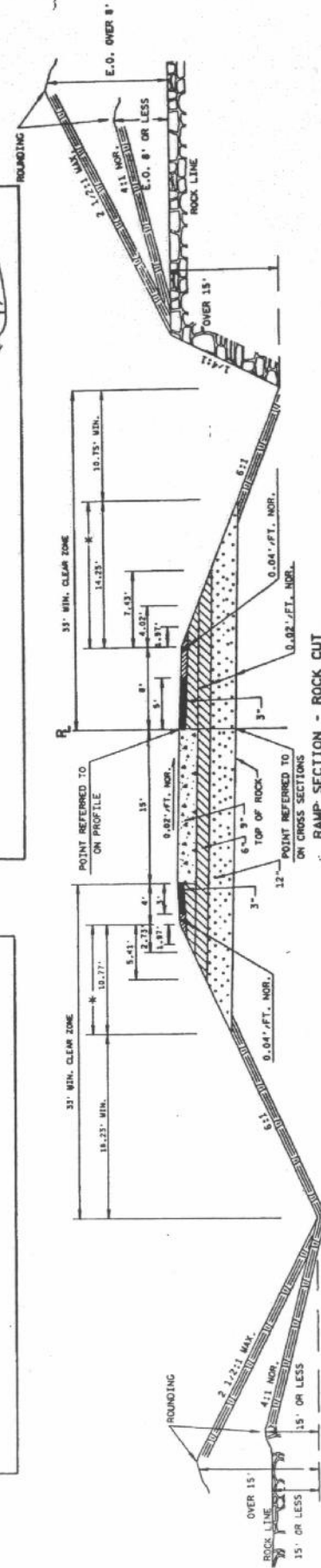
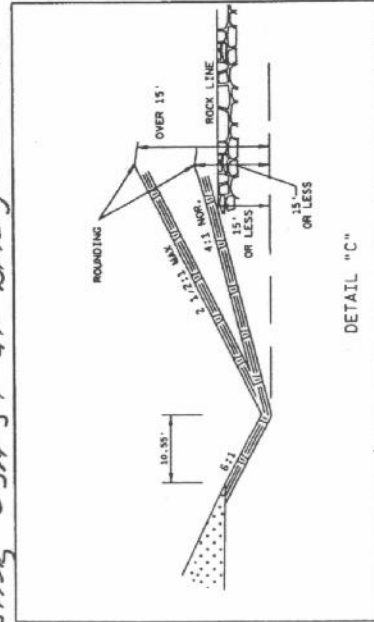
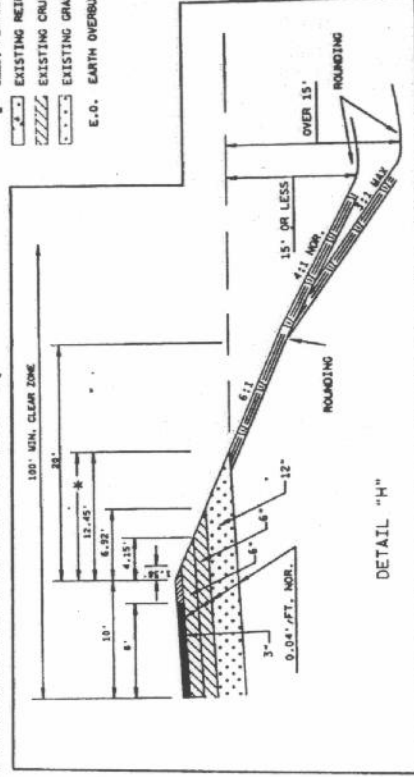
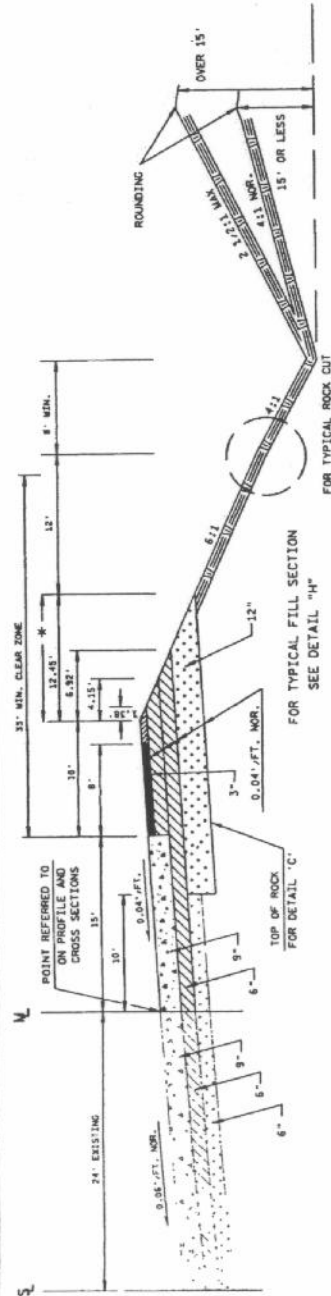
### TYPICAL SECTIONS

U.S.H. 51

MARATHON COUNTY

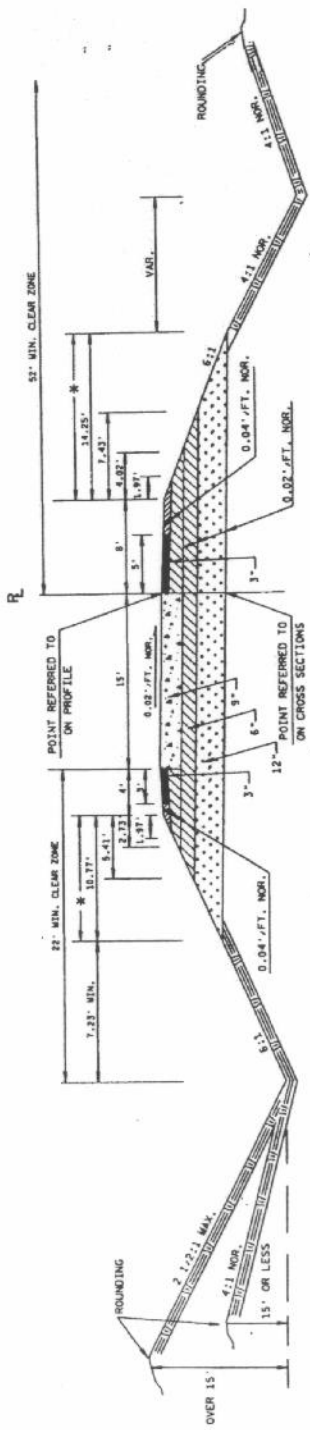
**LEGEND:**

- |   |   |
|---|---|
|  | CONCRETE PAVEMENT (DOWELED AND TINED)   |
|  | CRUSHED AGGREGATE BASE COURSE           |
|  | CRUSHED AGG. BASE COURSE (SHOULDER)     |
|  | GRANULAR BACKFILL                       |
|  | ASPHALTIC CONCRETE PAVEMENT, TYPE LV    |
|  | * SALVAGED TOPSOIL.                     |
|  | FERTILIZE. SEED & MULCH                 |
|  | * SEED, FERTILIZE & MULCH               |
|  | EXISTING REINFORCED P.C.C. WITH DOWELS. |
|  | EXISTING CRUSHED AGGREGATE BASE COURSE  |
|  | EXISTING GRANULAR SUBBASE               |
|  | E.O. EARTH OVERBURDEN                   |

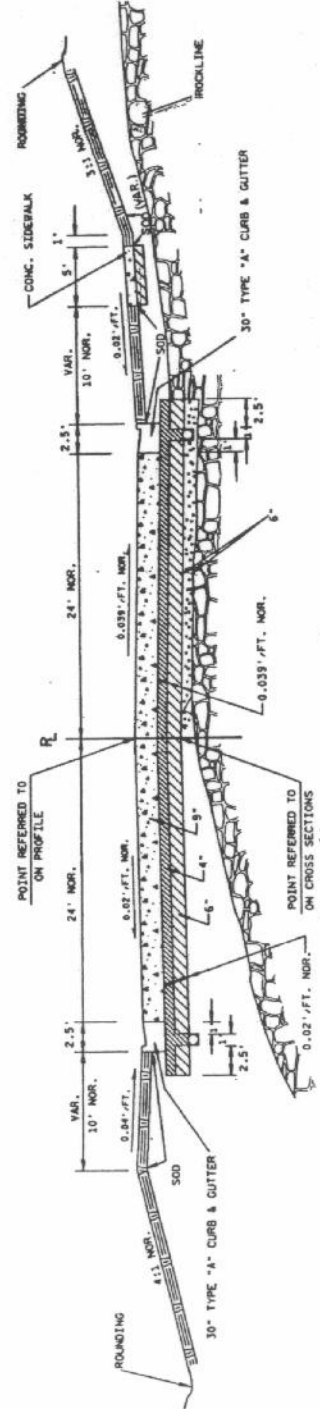


ON CROSS SECTIONS  
RAMP SECTION - ROCK CUT  
STA. 81'88" TO STA. 86'88" + 00  
*Existing Bridge Street Ramp*

- LEGEND:
- CONCRETE PAVEMENT (DOWELED AND TINED)
  - CRUSHED AGGREGATE BASE COURSE
  - OPEN GRADED BASE COURSE (GRADE 1)
  - CRUSHED AGG. BASE COURSE (SHOULDER)
  - ASPHALTIC CONCRETE PAVEMENT, TYPE LV
  - GRANULAR BACKFILL
  - 4" SALVAGED TOPSOIL
  - FERTILIZE, SEED & MULCH
  - SEED, FERTILIZE & MULCH



STA. 86+00 TO STA. 92+35  
*Existing bridge Street Ramp*



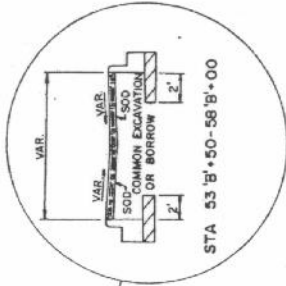
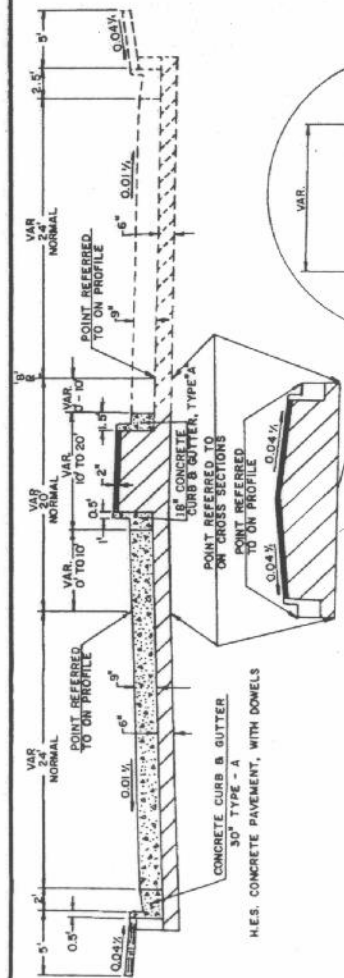
Existing 17TH AVENUE  
STA. 878+55 TO STA. 894+00



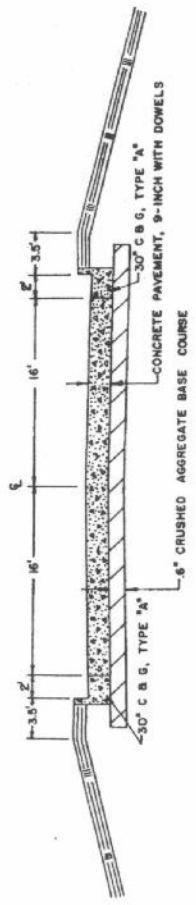
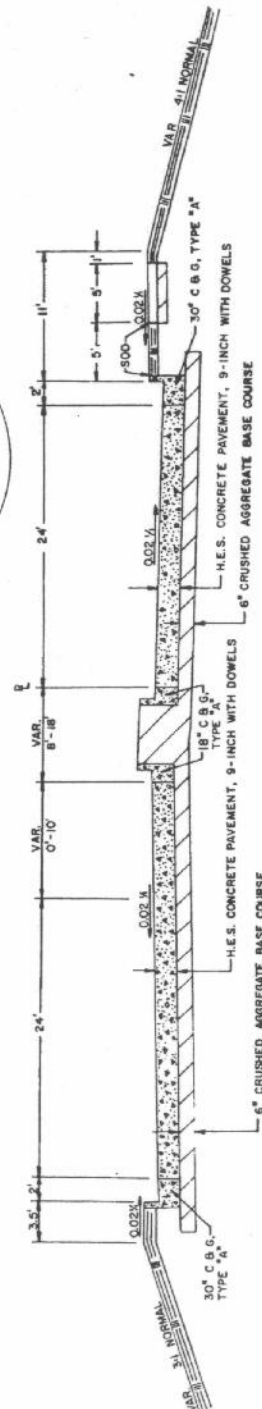
STATE PROJECT NUMBER	1164-08-72
SHEET NO	27
TYPICAL SECTIONS	
U.S.H. 51	MARATHON COUNTY

LEGEND

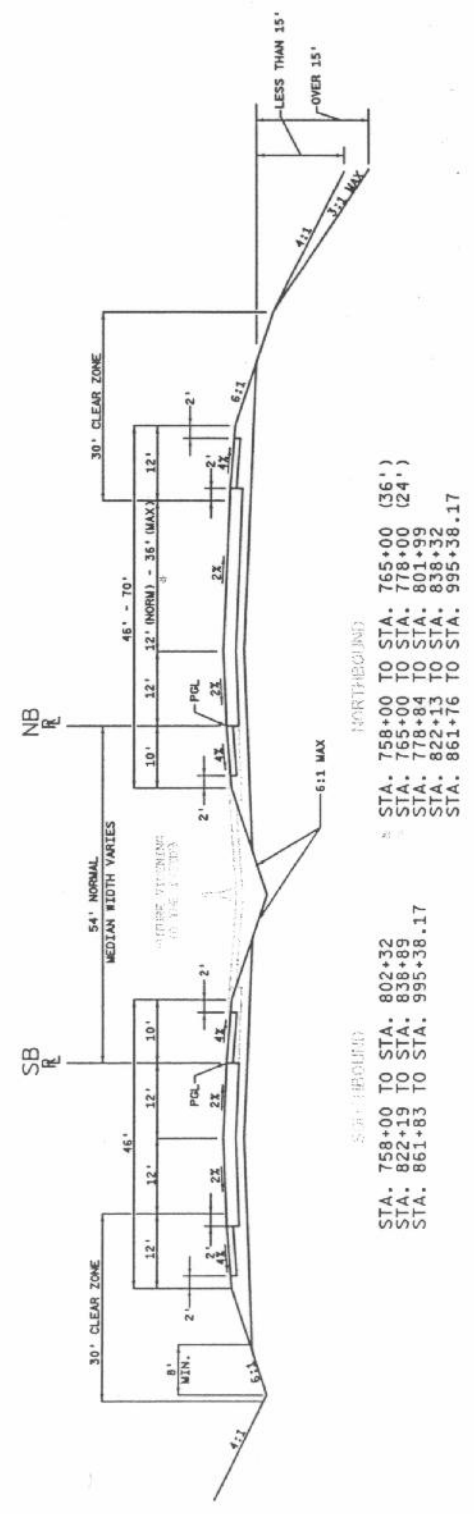
- CONCRETE PAVEMENT (DOWELED AND TINED)
- CRUSHED AGGREGATE BASE COURSE
- ASPHALTIC CONCRETE PAVEMENT, TYPE LV
- SALVAGED TOPSOIL, FERTILIZER, SEED & MULCH



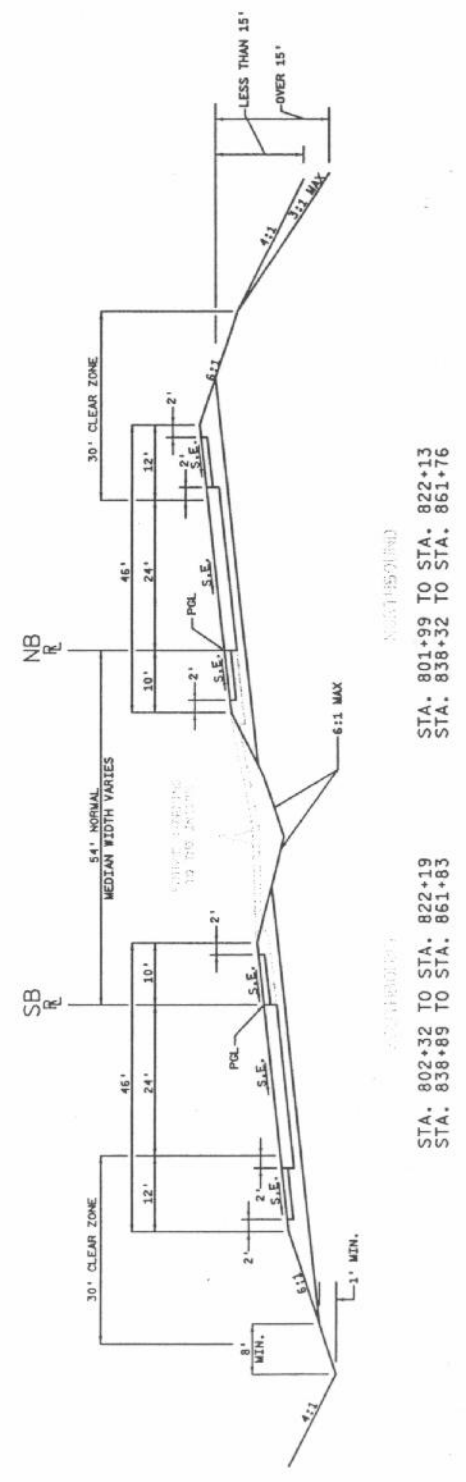
*Existing Bridge Street*



# U.S.H. 51 TYPICAL SECTION



# U.S.H. 51 SUPERELEVATED TYPICAL SECTION

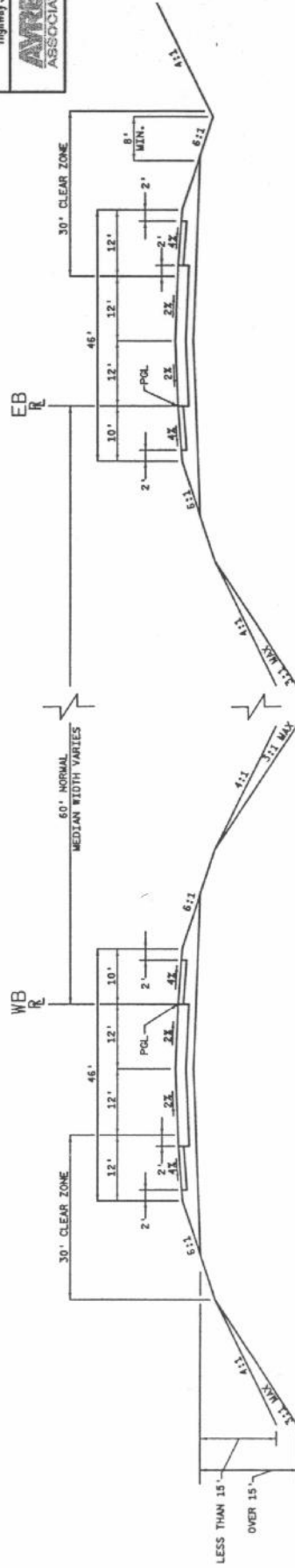


Project I.D. 1155-02-00 & 1156-00-01  
I-39/U.S.H. 51 Corridor Reconstruction  
Fox Grove Road to Bridge Street  
Marathon County

51 29 CMT

Highway 51/29 Corridor Management Team

**ARTS ASSOCIATES**  
ENGINEERING • DESIGN • CONSTRUCTION  
SCIENTIFIC • INDUSTRIAL • COMMERCIAL  
3425 GILBERT ST. • ST. LOUIS, MO. 63103  
314/241-1111 • FAX 314/241-1115



STA. 4055+00 TO STA. 4102+18  
STA. 4128+64 TO STA. 4143+94

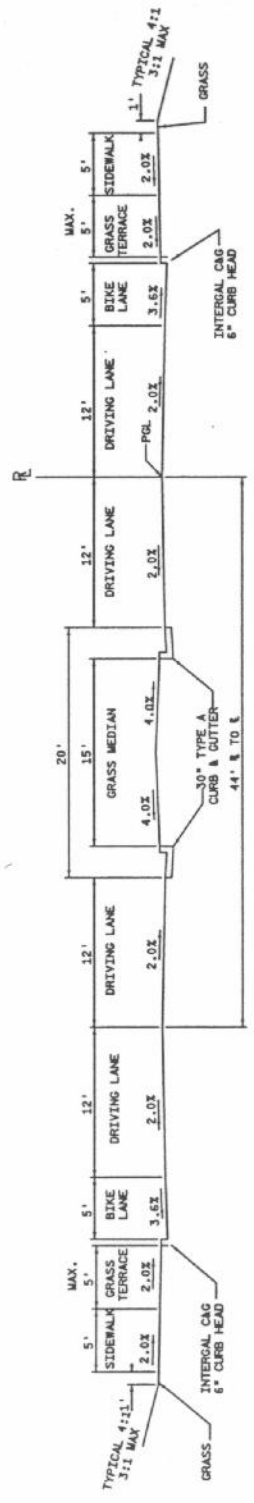
STA.	3055+00	TO STA.	3101+52
STA.	3123+98	TO STA.	3148+50

STA. 4102+18 TO STA. 4128+64

STA. 3101+52 TO STA. 3123+98

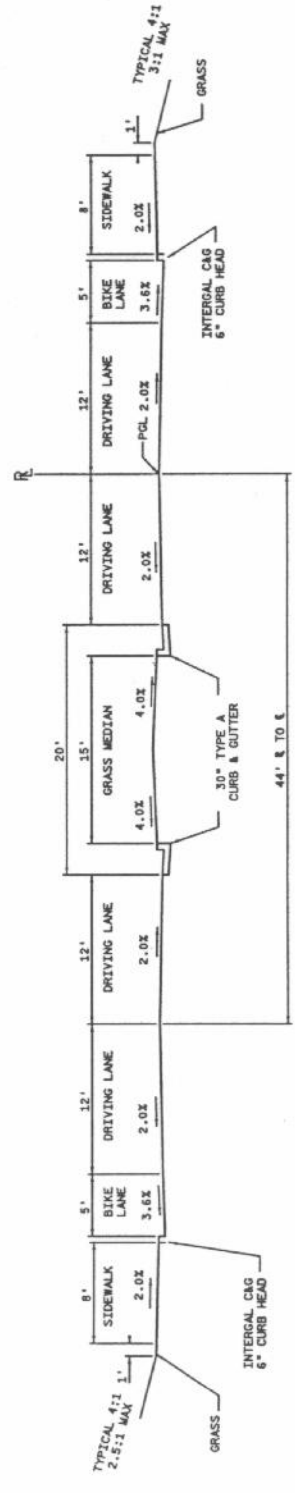


# STEWART AVENUE (WEST OF 28TH AVE. INTERSECTION), 28TH AVENUE, WEST RIDGE DRIVE, PLAZA DRIVE & WESTWOOD DRIVE TYPICAL SECTION



STA. 201'W'+40 TO STA. 20'W'+40  
 STA. 20'W'+40 TO STA. 35'RD'+18  
 STA. 35'RD'+18 TO STA. 20'WD'+00 TO STA. 28'WD'+25  
 STA. 20'W'+40 TO STA. 40'ST'+00  
 STA. 40'ST'+00 TO STA. 20'PL'+91  
 STA. 20'PL'+91 TO STA. 33'PL'+91  
 STA. 33'PL'+91 TO STA. 20'WD'+00 TO STA. 36'WD'+05

# STEWART AVENUE TYPICAL SECTION (28TH AVE. TO 24TH AVE.)



STA. 40'ST'+00 TO STA. 56'ST'+64

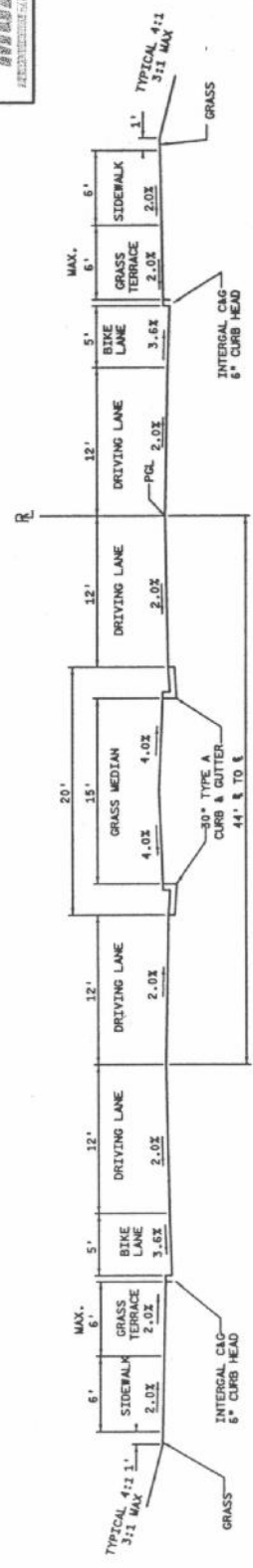
NOTES: PAVEMENT STRUCTURE TO BE DETERMINED BY OTHERS  
 TAPERS, TURN BAYS AND LANE DROPS NOT SHOWN

Project ID: 1166-02-00 & 1166-00-01  
 I-39/U.S.H. 51 Corridor Reconstruction  
 Fox Grove Road to Bridge Street  
 Marathon County



Highway 51/29 Corridor Management Team  
 TRANSPORTATION  
 ENGINEERING & ARCHITECTURE  
 1000 W. Main St., Suite 100  
 Marshfield, WI 54449  
 (715) 431-1234

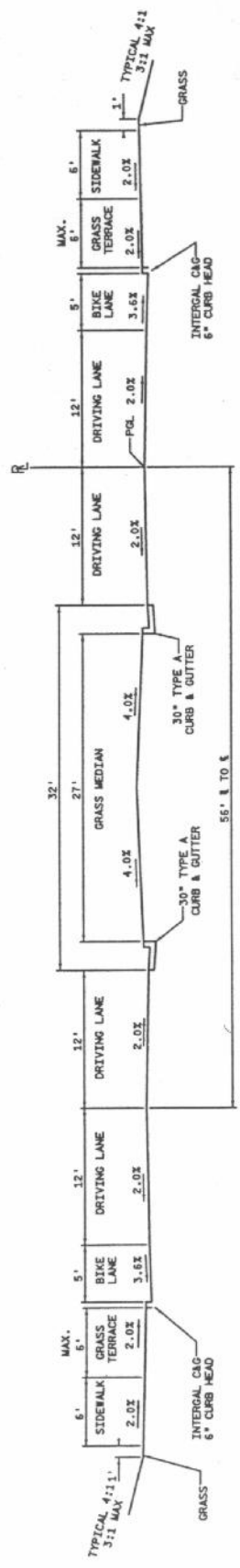
# BRIDGE STREET TYPICAL SECTION



## BRIDGE STREET

STA. 20' BR' +00 TO STA. 38' BR' +00  
 STA. 55' BR' +00 TO STA. 57' BR' +00

# BRIDGE STREET TYPICAL SECTION (THRU INTERCHANGE)



STA. 38' BR' +00 TO STA. 55' BR' +00

NOTES: PAVEMENT STRUCTURE TO BE DETERMINED BY OTHERS  
 TAPERS, TURN BAYS AND LANE DROPS NOT SHOWN





Project ID: 1166-02-00 & 1166-00-01  
 I-39/U.S.H. 51 Corridor Reconstruction  
 Fox Grove Road to Bridge Street  
 Marathon County

51

29

CMT

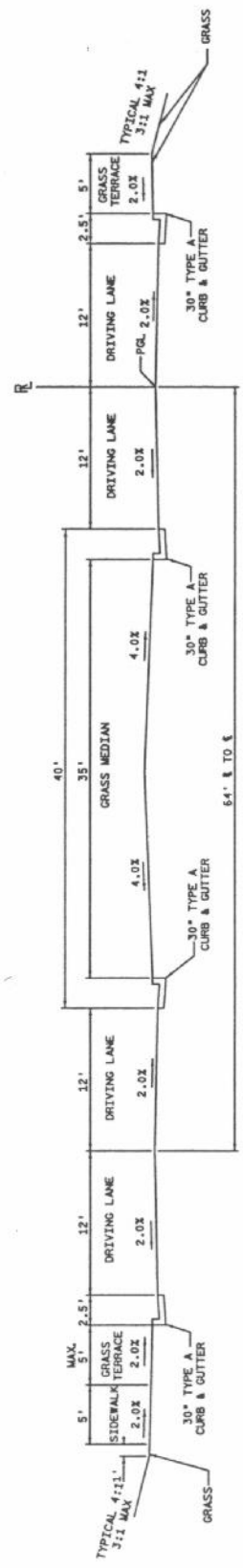
Highway 51/29 Corridor Management Team

PROJECT MANAGER

PROJECT ENGINEER

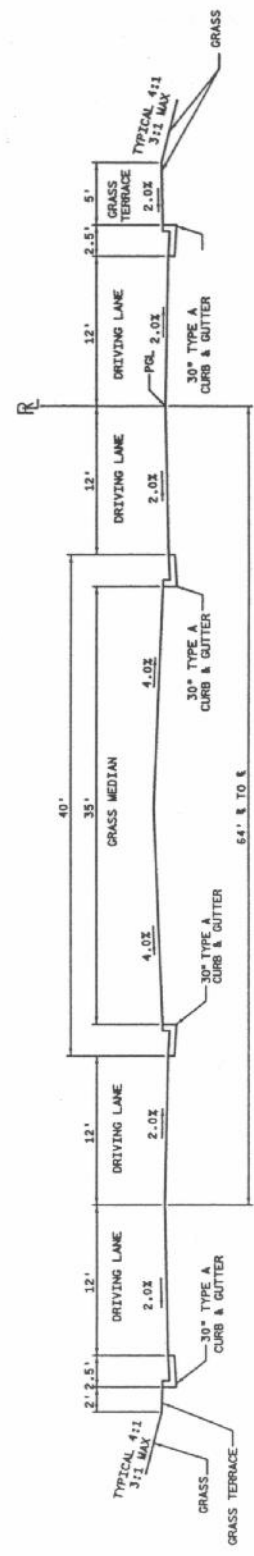
PROJECT ASSISTANT

# S.T.H. 52 TYPICAL SECTION (STEWART AVE. TO WEST RIDGE DR.)



STA. 20'AA'+00 TO STA. 48'AA'+00

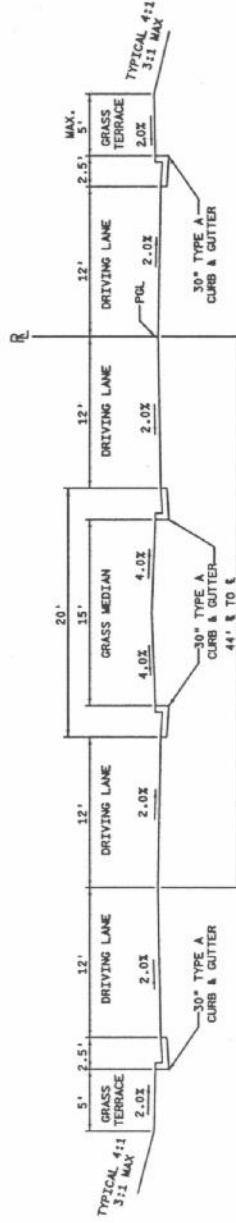
# S.T.H. 52 TYPICAL SECTION (EAST OF WEST RIDGE DR.)



STA. 48'AA'+00 TO STA. 73'AA'+11

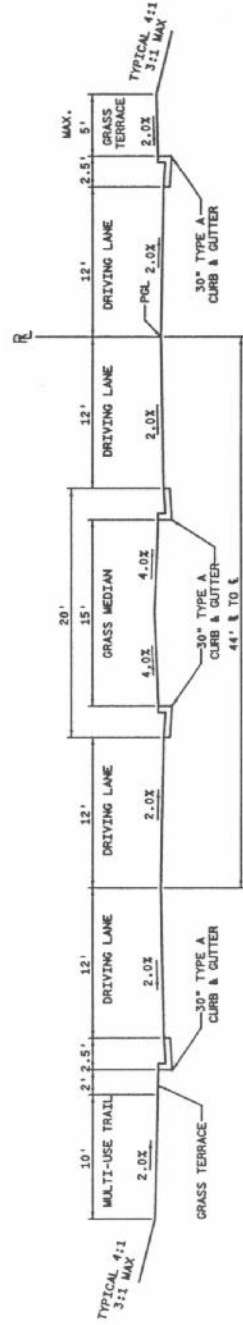
NOTES: PAVEMENT STRUCTURE TO BE DETERMINED BY OTHERS  
 TAPERS, TURN BAYS AND LANE DROPS NOT SHOWN

SHERMAN STREET TYPICAL SECTION  
(WEST OF 28TH AVE.)



STA. 20'SH'+00 TO STA. 23'SH'+00

SHERMAN STREET TYPICAL SECTION  
(EAST OF 28TH AVE.)



1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

STA. 23'SH'+00 TO STA. 27'SH'+00

STA. 36'SH'+00 TO STA. 43'SH'+00

NOTES: PAVEMENT STRUCTURE TO BE DETERMINED BY OTHERS  
TAPERS, TURN BAYS AND LANE DROPS NOT SHOWN

Project ID: 1166-02-00 & 1166-00-01  
 I-39/US.H. 51 Corridor Reconstruction  
 Fox Grove Road to Bridge Street  
 Marathon County

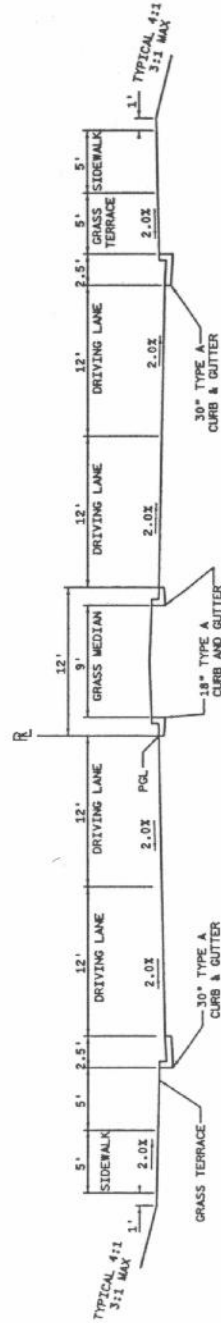
51

29

CMT

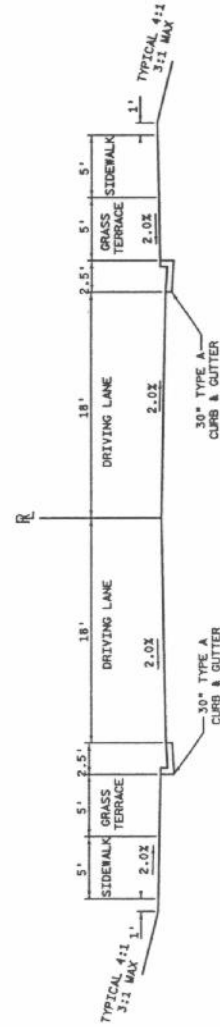
Highway 51/23 Corridor Management Team  
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## 24TH AVENUE TYPICAL SECTION



STA. 20'M'+00 TO STA. 23'M'+45

## 24TH AVENUE TYPICAL SECTION



STA. 23'M'+45 TO STA. 25'M'+57

NOTES: PAVEMENT STRUCTURE TO BE DETERMINED BY OTHERS  
 TAPERS, TURN BAYS AND LANE DROPS NOT SHOWN